

FIF-10A USB PROGRAMMING INTERFACE

The **FIF-10A** is the Interface Unit which allows cloning of channel data to Vertex Standard transceivers,* and/or re-writing of the firmware on some Vertex Standard transceivers,* using the USB port of a personal computer.

※: Check with your Vertex Standard Dealer for applicable models.

OPERATING SYSTEM REQUIREMENTS

Microsoft® Windows® 2000, Windows® XP, or Windows® Vista

PACKING LIST

FIF-10A Interface Unit

USB Cable

CD-ROM (Includes the Driver File and Operating Manual)

OPERATION

- ❑ **Log on to the computer using the “Administrator” account.** If you do not know how to change the account to “Administrator,” please consult your computer system administrator.
- ❑ Connect the supplied USB Cable between the **FIF-10A** and your computer, then connect the appropriate Connection Cable (option) between the **FIF-10A** and the transceiver.
- ❑ When turning on your computer for the time after connecting the **FIF-10A** to your computer, the computer will ask for the **FIF-10A** driver. Please see page 2 through 4 regarding driver installation.
Confirm the computer's communication port which detects the **FIF-10A**. Describe details on the page 5 through 7.
- ❑ Execute the cloning/writing software.
If this is the first time you have executed the programming/writing software on this computer after installing the **FIF-10A** USB Interface, check the programming/writing software's “CONFIGURE” parameter, to be sure that the communication port of the programming/writing software matches that set for the **FIF-10A**. See page 8 through 10 for details.

Note: When the DC power from the USB Bus is insufficient, connect the **NC-85** or any regulated DC power supply (6 V, 1 A) to the DC power jack of the **FIF-10A**. Be sure to use the correct polarity when connecting the regulated DC power supply; **the center pin of the power jack is positive (+)**.

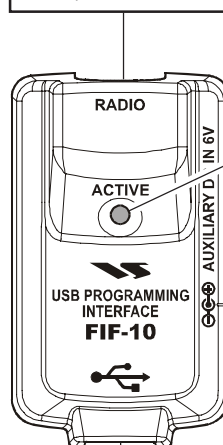
OPTIONS

- CT-104A** Connection Cable with 8-pin Modular Jack
(for the **VX-2100/-2200/-4100/-4200, VXR-9000** etc.)
- CT-105** Connection Cable with 14-pin Universal Connector
(for the **VX-600/-800/-900** etc.)
- CT-106** Connection Cable 4-conductor Mini-phone Jack
(for the **VX-160/-180/-230/-350/-410/-420** etc.)
- CT-108** Connection Cable with 14-pin Universal Connector
(for the **VX-820/-920** etc.)
- NC-85** AC Adapter

NOTE

The **FIF-10A** is designed to be connected directly to the computer's USB port. Devices that are made to convert a USB device to a 9 pin serial port will not work and/or may damage the **FIF-10A**.

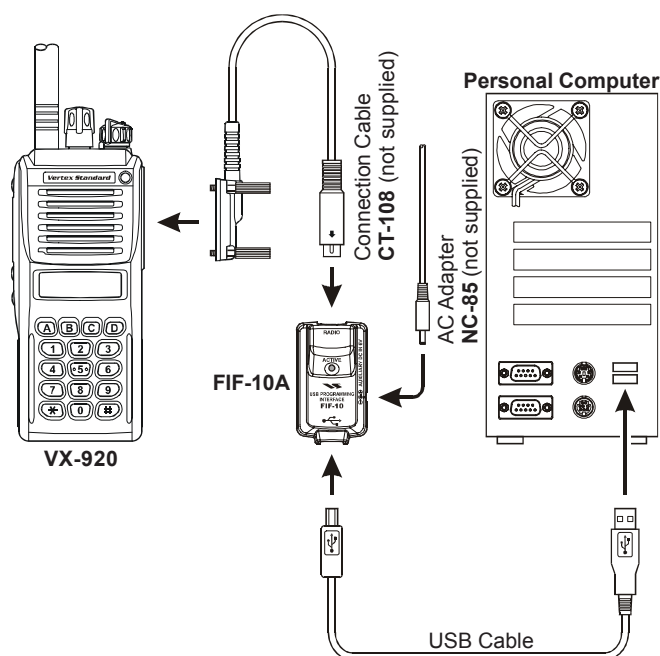
Connect the Transceiver to this jack using the appropriate (optional) Connection Cable.



Status Indicator
GREEN: Normal Condition
RED: Uploading/Downloading
ORANGE: Firmware Writing

This DC power jack supplements the DC power of the USB port. Connect the **NC-85** or any regulated DC power supply (6 V, 1 A) to this jack when the DC power from the USB Bus is insufficient.
The center pin of the power jack is positive (+).

Connect your Computer to this jack using the supplied USB Cable.



TYPICAL SETUP FOR THE FIF-10A



INSTALLATION PROCEDURE FOR THE FIF-10A DRIVER (Microsoft® Windows® 2000)

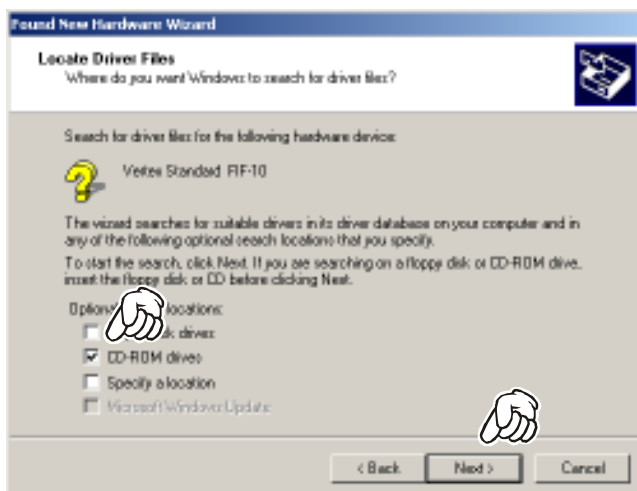
1. Set the supplied CD into your CD-ROM drive.
2. Click the *left* mouse button on the “Next >” button.



3. Select “Search for a suitable driver for my device,” then click the *left* mouse button on the “Next >” button.



4. Select “CD-ROM drives,” then click the *left* mouse button on the “Next >” button.



5. Click the *left* mouse button on the “Next >” button.



6. Click the *left* mouse button on the “Finish” button.

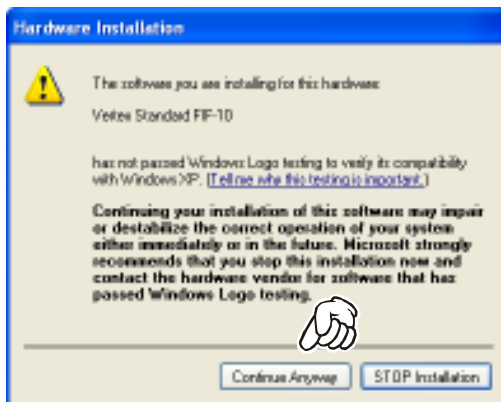


INSTALLATION PROCEDURE FOR THE FIF-10A DRIVER (Microsoft® Windows® XP)

1. Set the supplied CD into your CD-ROM drive.
2. Select **"Install the software automatically,"** then click the *left* mouse button on the **"Next >"** button.



3. Click the *left* mouse button on the **"Continue Anyway"** button.



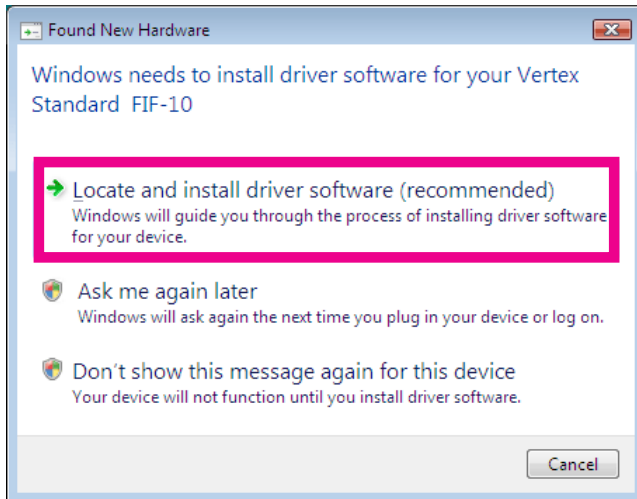
4. Click the *left* mouse button on the **"Finish"** button.



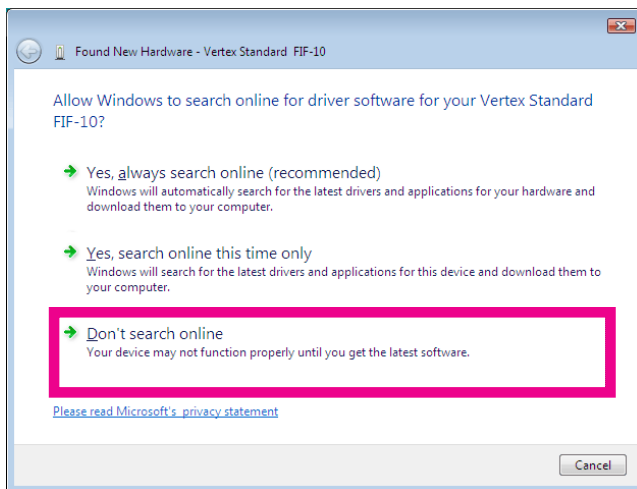
INSTALLATION PROCEDURE FOR THE FIF-10A DRIVER (Microsoft® Windows® Vista)

Note: Please perform this operation after changing user account to an “Administrator”.

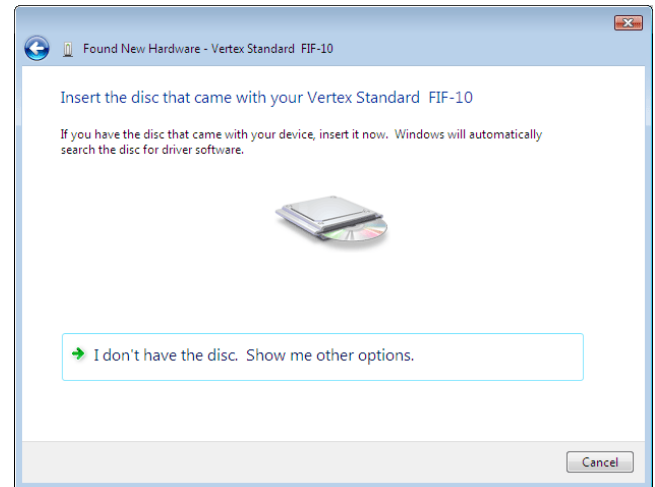
1. When **FIF-10/A** is connected to the USB port on the computer, the following window (automatic device recognition window) will be open. Click the *left mouse button* on “**Locate and install driver software (recommended)**”.
2. The screen becomes dark, and the “User Account Control” window will be open. Click the *left mouse button* on “**Continue**” button.



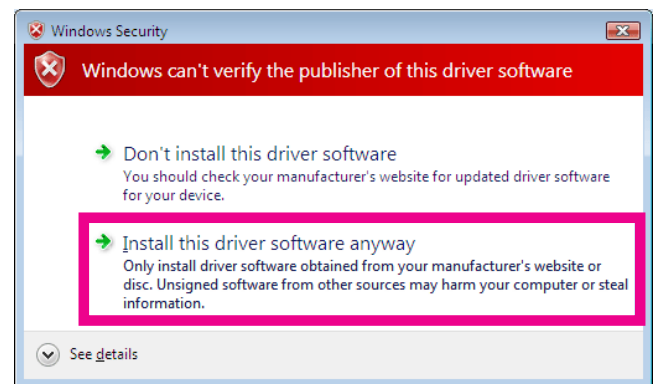
3. The following window will be open. Click the *left mouse button* on “**Don't search online**”.



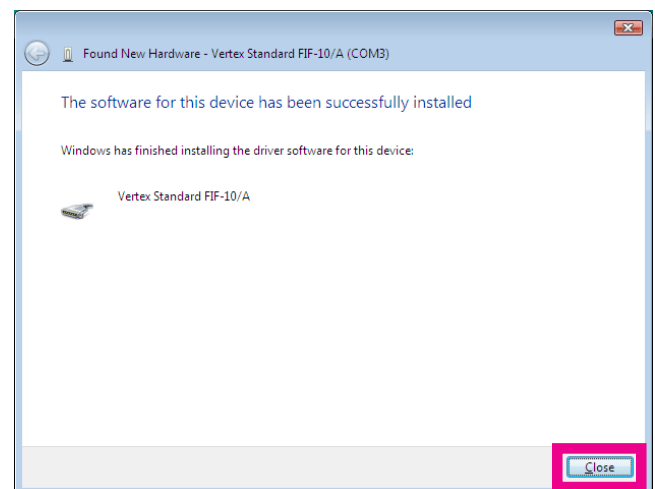
4. The following window will be open. Insert the FIF-10A CD-ROM into your computer.



5. The “Windows Security” window will be open. Click the *left mouse button* on “**Install this driver software anyway**”.

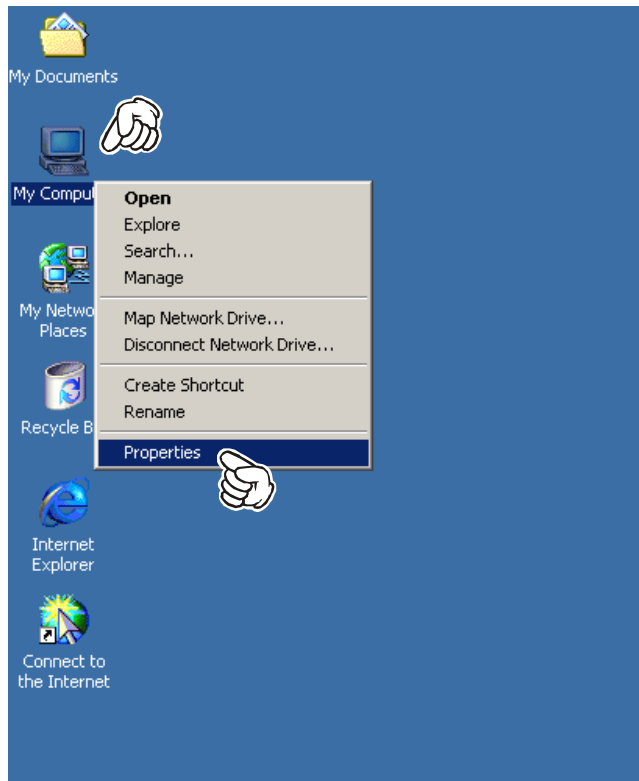


6. The following window will be open. The driver installation is complete. Click the *left mouse button* on “**Close**” button.

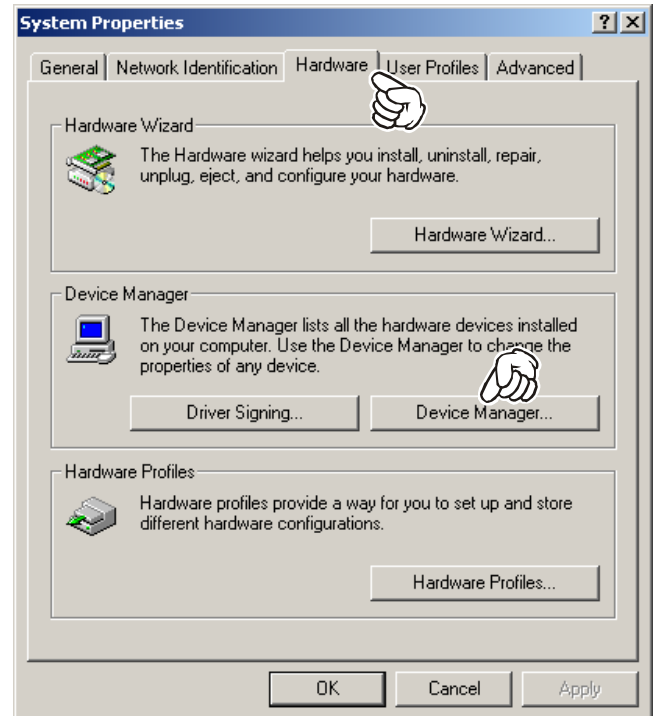


CONFIRMING THE COMPUTER'S COMMUNICATION PORT (Microsoft® Windows® 2000)

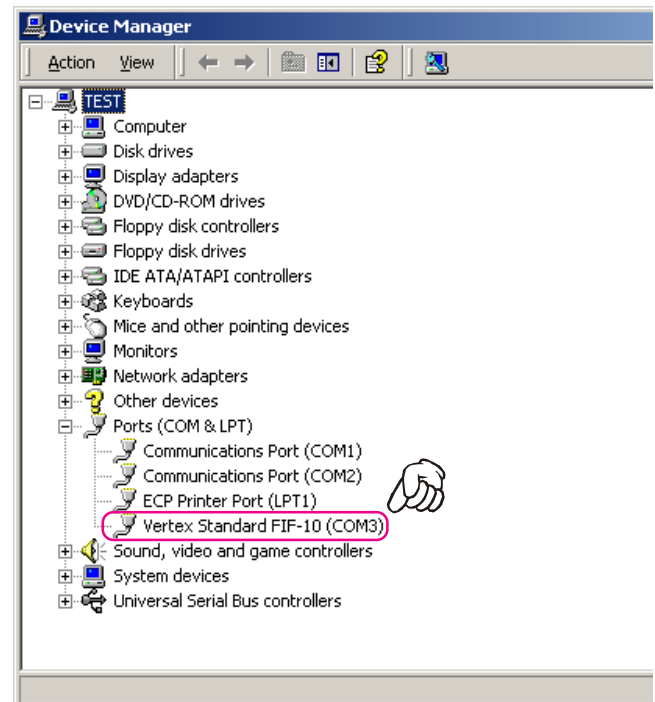
1. Click the *right* mouse button on the “**My Computer**” icon on the desktop, then click the left mouse button on the “**Properties**” item to open the “**System Properties**” window.



2. Click the *left* mouse button on the “**Hardware**” Folder, then click the *left* mouse button on the “**Device Manager**” Button to open the “**Device Manager**” window.

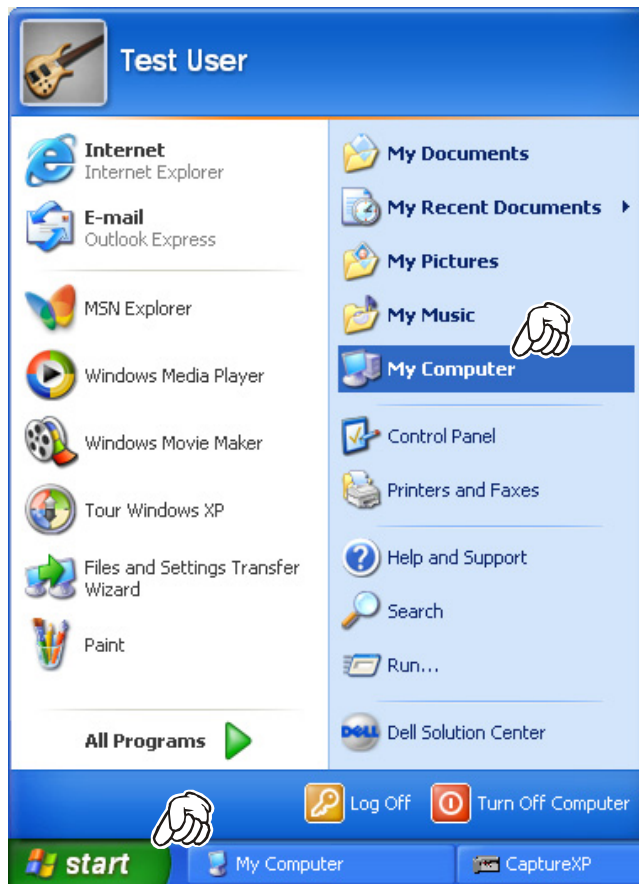


3. Confirm the computer's communication port which detects the **FIF-10A**.



CONFIRMING THE COMPUTER'S COMMUNICATION PORT (Microsoft® Windows® XP)

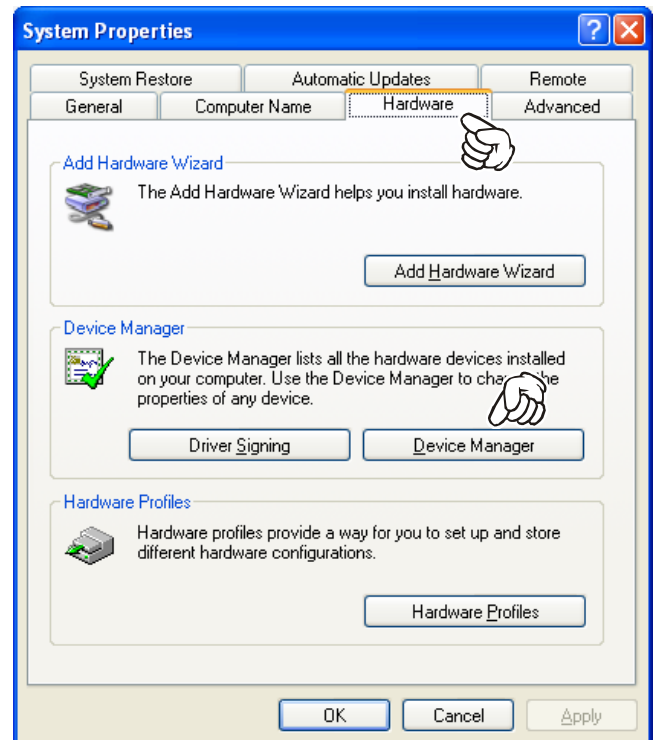
1. Click the *left* mouse button on the “start” button, then click the *left* mouse button on the “My Computer” Item.



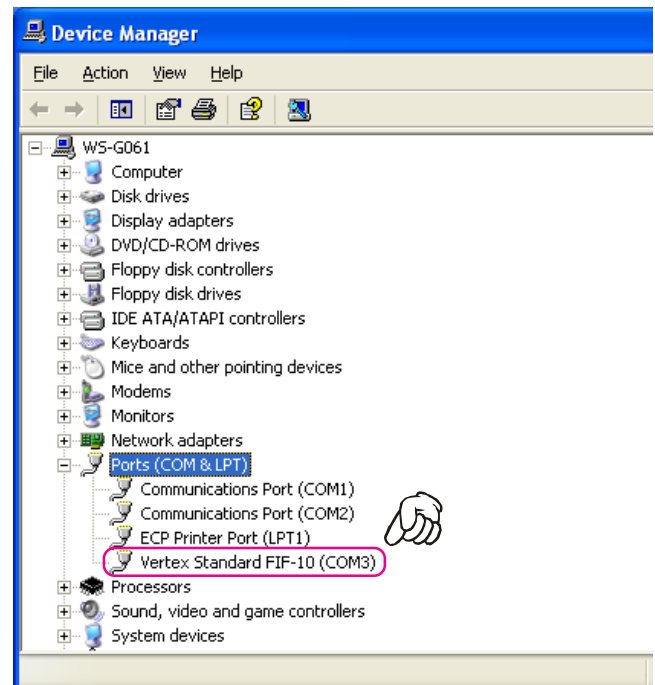
2. Click the *left* mouse button on “View system information” to open the “System Properties” window.



3. Click the *left* mouse button on the “Hardware” Folder, then click the *left* mouse button on the “Device Manager” button to open the “Device Manager” window.

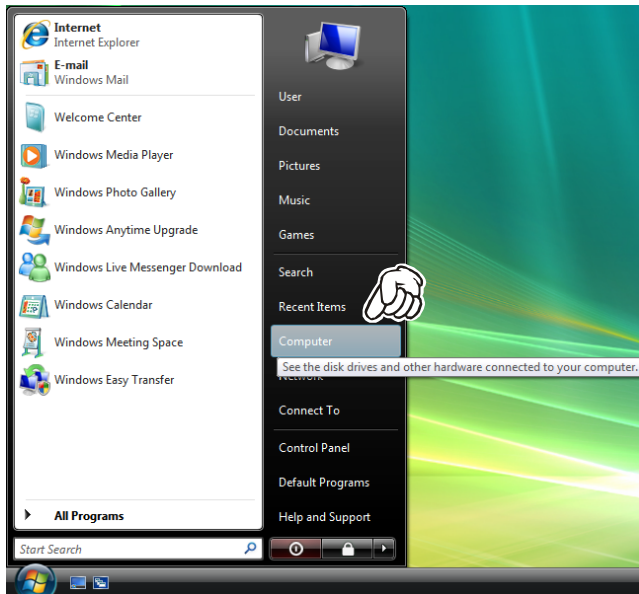


4. Confirm the computer's communication port which detects the FIF-10A.

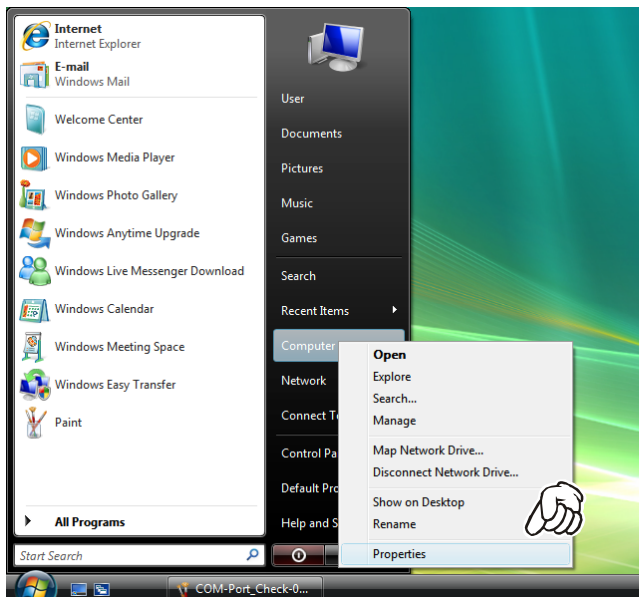


CONFIRMING THE COMPUTER'S COMMUNICATION PORT (Microsoft® Windows® Vista)

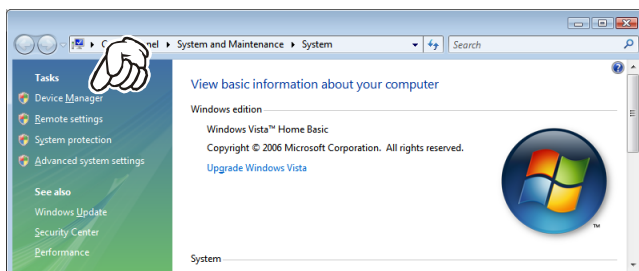
1. Click the *left* mouse button on the “**start**” button, then click the *right* mouse button on the “**Computer**” Item.



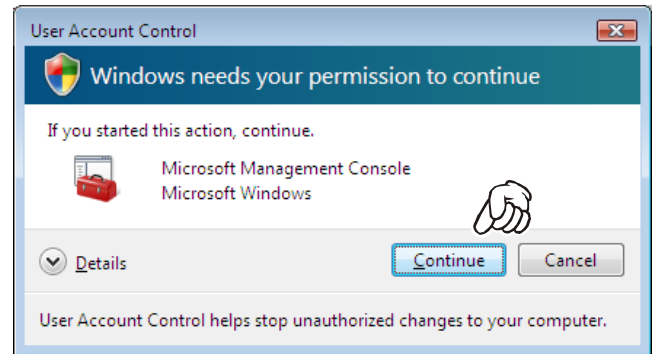
2. Click the *left* mouse button on “**Properties**” to open the “**System Properties**” window.



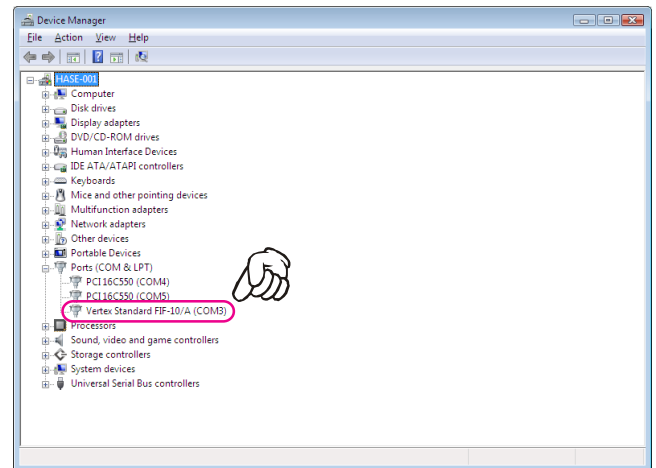
3. Click the *left* mouse button on the “**Device Manager**” Item, to open the “**Confirmation**” window.



4. Click the *left* mouse button on the “**Continue**” button to open the “**Device Manager**” window.

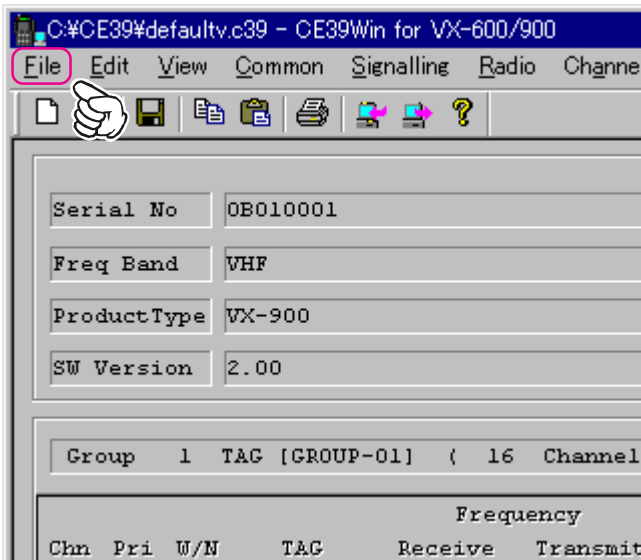


5. Confirm the computer's communication port which detects the **FIF-10A**.

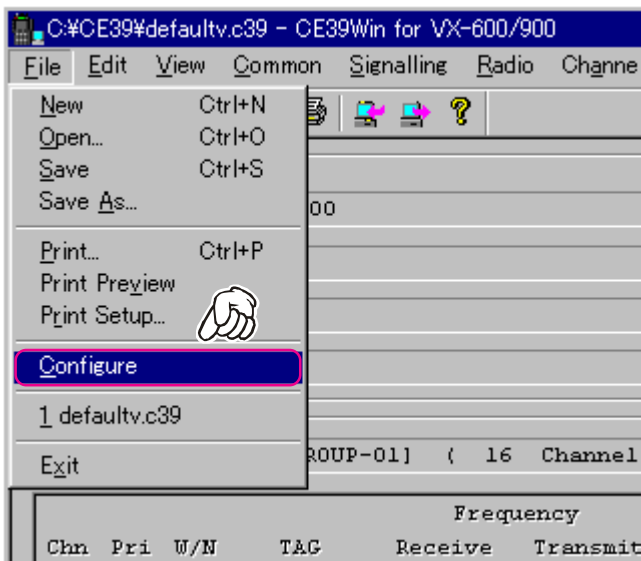


“CONFIGURE” PARAMETER SETTING PROCEDURE (EXAMPLE: “CE39”)

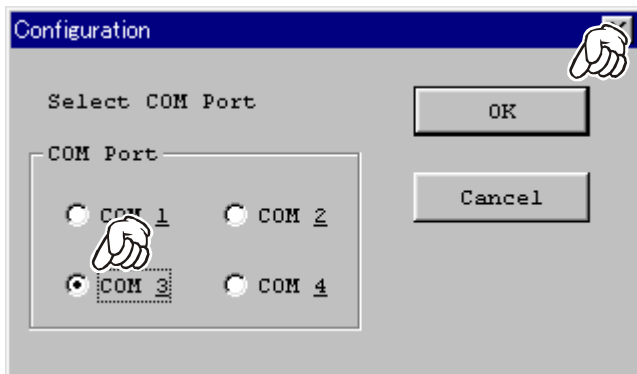
1. Click the *left* mouse button on the “File” parameter.



2. Click the *left* mouse button on the “Configure” item to open the “Configure” window.

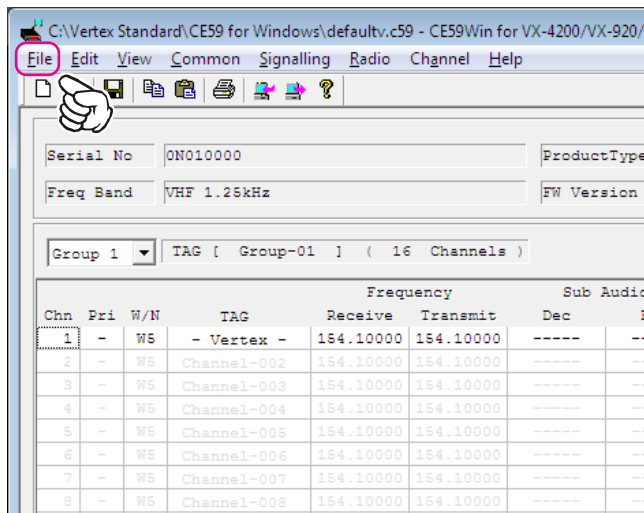


3. Select the communication port which is detecting the **FIF-10A**, then click the *left* mouse button on the “OK” button.

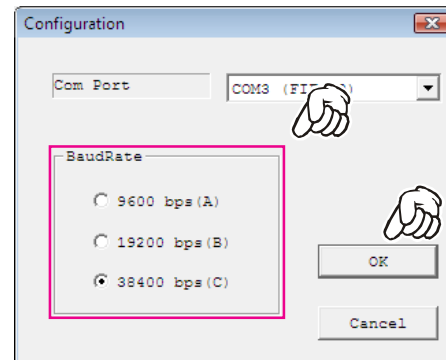


“CONFIGURE” PARAMETER SETTING PROCEDURE (EXAMPLE: “CE59”)

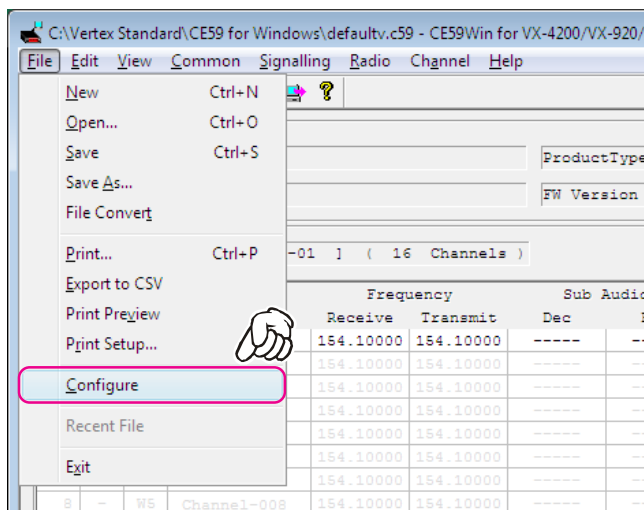
1. Click the *left* mouse button on the “File” parameter.



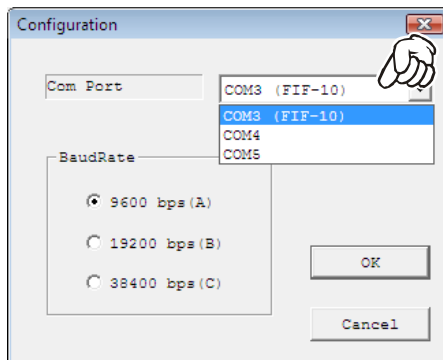
4. Select the Baud Rate for the transceiver’s computer interface circuitry, then click the *left* mouse button on the “OK” button.



2. Click the *left* mouse button on the “Configure” item to open the “Configure” window.

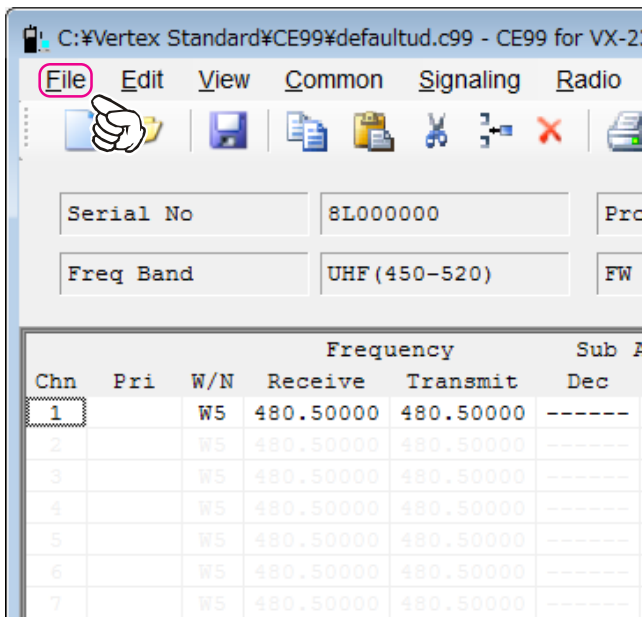


3. Select the communication port which is detecting the FIF-10A.

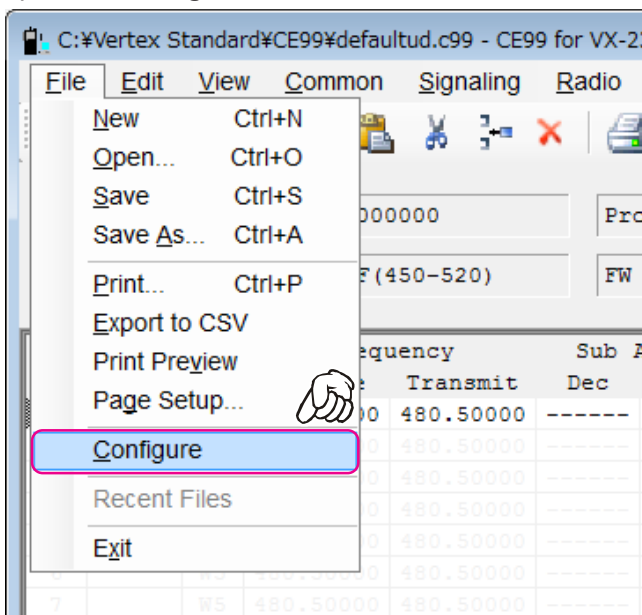


“CONFIGURE” PARAMETER SETTING PROCEDURE (EXAMPLE: “CE99”)

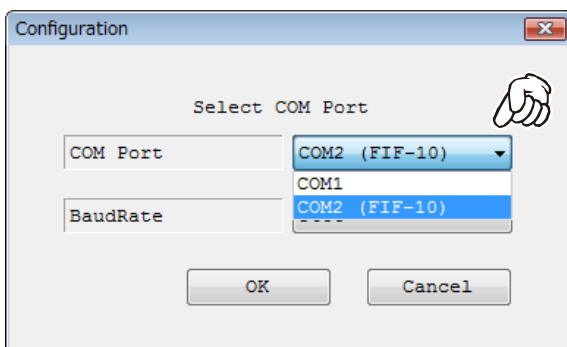
1. Click the *left* mouse button on the “File” parameter.



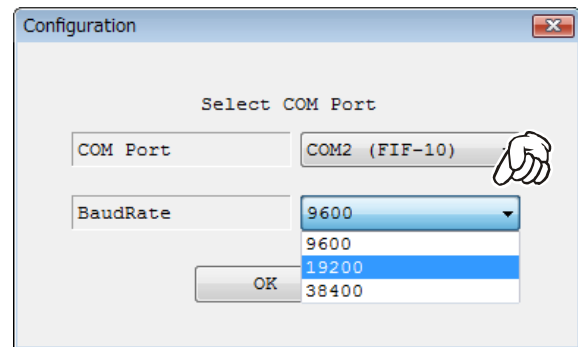
2. Click the *left* mouse button on the “Configure” item to open the “Configure” window.



3. Select the communication port which is detecting the FIF-10A.



4. Select the Baud Rate for the transceiver’s computer interface circuitry.



5. Click the *left* mouse button on the “OK” button.

